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INFORMATION DISCLOSURE

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STATEMENT BY APPLICANT
(Use as many sheets as necessary)

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| Application Number | 10/572,720 | | | | | |
| Filing Date | August 1, 2006 | | | | | |
| First Named Inventor | Weisman et al. | | | | | |
| Art Unit | 1755 | | | | | |
| Examiner Name | N/Y/A | | | | | |
| Attorney Docket Number | 11321-P075WOUS | | | | | |

| | | | | DOCUMENTS | |
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| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ^{2 (# known)} | | | 1 iguies Appeal |
| | | ^{US-} 4,558,224 | | Gober | |
| | | ^{US-} 5,374,415 | | Alig et al. | |
| | | ^{US-} 6,246,061 | | Ramsey et al. | |
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| | | Country Code ³ "Number ⁴ "Kind Code ⁵ (if known) | MM-DD-YYYY | | Or Relevant Figures Appear | ۲ |
| | | WO 02/060812 | | | | |
| | | PCT/US04/24507 | | | | |
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| Sheet | 2 | of | 5 | Attorney Docket Number | 11321-P075WOUS |

| Examiner | Cite | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of | |
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| Initials* | No. ¹ | the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T |
| | 1 | lijima, Nature 1991, 354, 56 | |
| | 2 | lijima, S.; Ichihashi, T. Nature 1993, 363, 603 | |
| | 3 | Bethune et al. Nature 1993, 363, 605 | |
| | 4 | Baughman et al., Science, 2002, 297, 787-792 | |
| | 5 | O'Connell et al., Science, 2002, 297, 593 | |
| | 6 | M. S. Dresselhaus, G. Dresselhaus, P. C. Eklund, Science of Fullerenes and Carbon Nanotubes, Academic Press, San Diego, 1996 | |
| | 7 | Bronikowski et al., Journal of Vacuum Science & Technology 2001, 19, 1800-1805 | |
| | 8 | R. Saito, G. Dresselhaus, M. S. Dresselhaus, Physical Properties of Carbon Nanotubes, Imperial College Press, London, 1998 | |
| | 9 | Avouris, Acc. Chem. Res. 2002, 35, 1026-1034 | |
| | 10 | Strano et al., J. Nanosci. and Nanotech., 2003, 3, 81 | |

| Examiner | Date | |
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| Signature | Considered | |

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| Sheet | 3 | of | 5 | Attorney Docket Number | 11321-P075WOUS |

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|-----------|------------------|--|----------------|
| Initials* | No. ¹ | the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | 11 | Bachilo et al., Science, 2002, 298, 2361 | |
| | 12 | Thess et al., Science, 1996, 273, 483-487 | |
| | 13 | Chen et al., Science, 1998, 282, 95-98 | |
| | 14 | Holzinger et al., Angew. Chem. Int. Ed., 2001, 40, 4002-4005 | |
| | 15 | Khabashesku et al., Acc. Chem. Res., 2002, 35, 1087-1095 | |
| | 16 | Strano et al., Science, 2003, 301, 1519-1522 | |
| | 17 | S. Niyogi et al., Acc. of Chem. Res., 2002, 35, 1105-1113 | |
| | 18 | Krupke et al., Science, 2003, 301, 344-347 | |
| | 19 | Chattophadhyay et al., J. Am. Chem. Soc., 2003, 125, 3370-3375 | |
| | 20 | Zheng et al., Nature Mater., 2003, 2, 338-342 | |

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| Initials* | No.1 | the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | 21 | Chen et al., Nano Lett., 2003, 3, 1245-1249 | |
| | 22 | Ebbesen, Annu. Rev. Mater. Sci. 1994, 24, 235-264 | |
| | 23 | Vander Wal et al., Chem. Phys. Lett. 2001, 349, 178-184 | |
| | 24 | Hafner et al., Chem. Phys. Lett. 1998, 296, 195-202 | |
| | 25 | Cheng et al., Chem. Phys. Lett. 1998, 289, 602-610 | |
| | 26 | Nikolaev et al., Chem. Phys. Lett. 1999, 313, 91-97 | |
| | 27 | Chiang et al., J. Phys. Chem. B 2001, 105, 1157-1161 | |
| | 28 | Chiang et al., J. Phys. Chem. B 2001, 105, 8297-8301 | |
| | 29 | Liu et al., Science 1998, 280, 1253-1256 | |
| | 30 | Gu et al., Nano Lett. 2002, 2(9), 1009-1013 | |

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| | 31 | Ramesh et al., J. Phys. Chem. B, 2004, 108, 8794-8798 | |
| | 32 | Bahr et al., J. Mater. Chem., 2002, 12, 1952-1958 | |
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